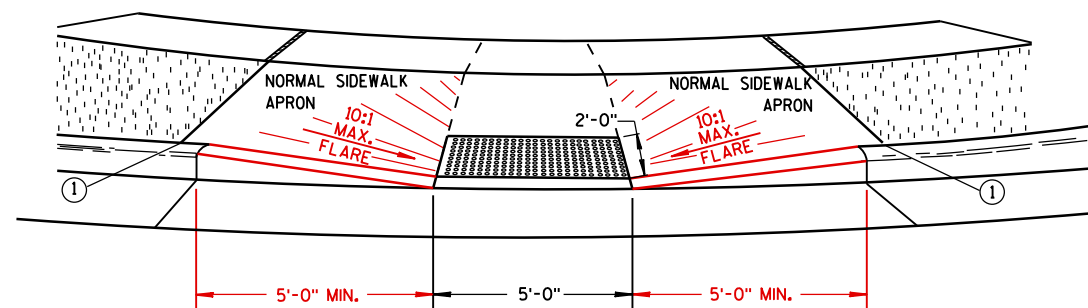
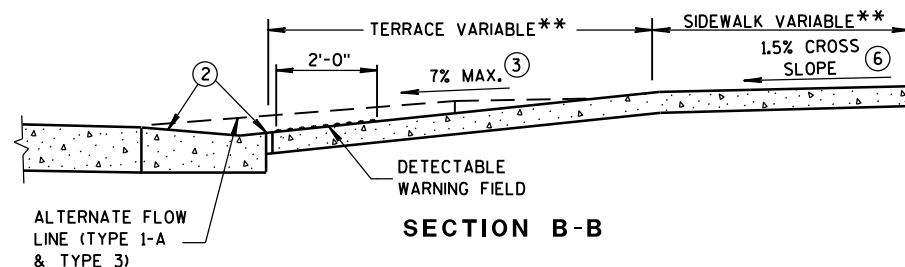


**PLAN VIEW  
TYPE 1 RAMP**  
(CENTER OF CORNER RADIUS)

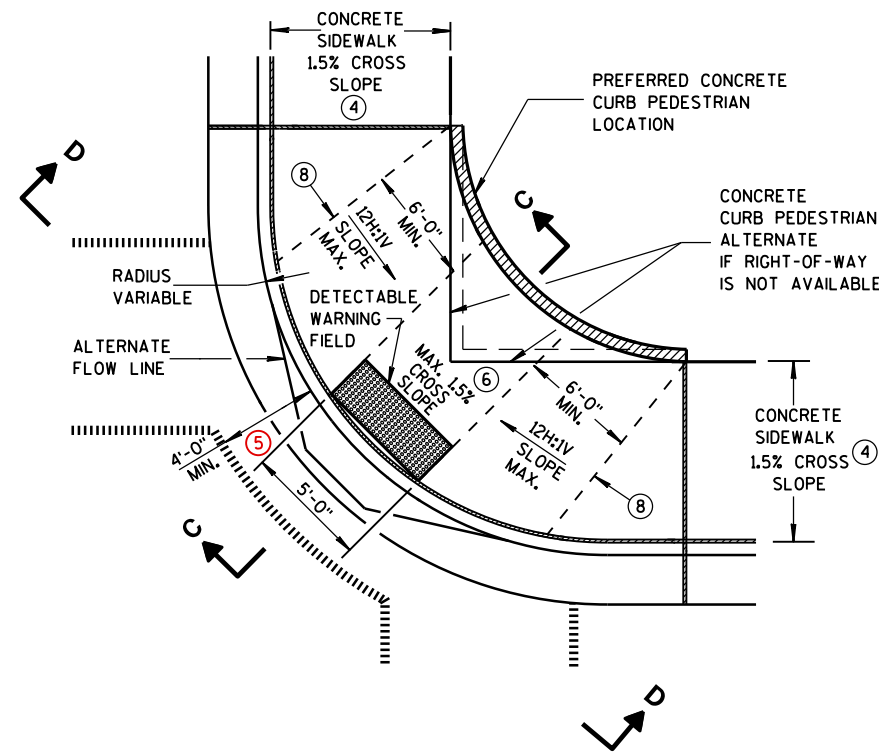


**VIEW A-A**

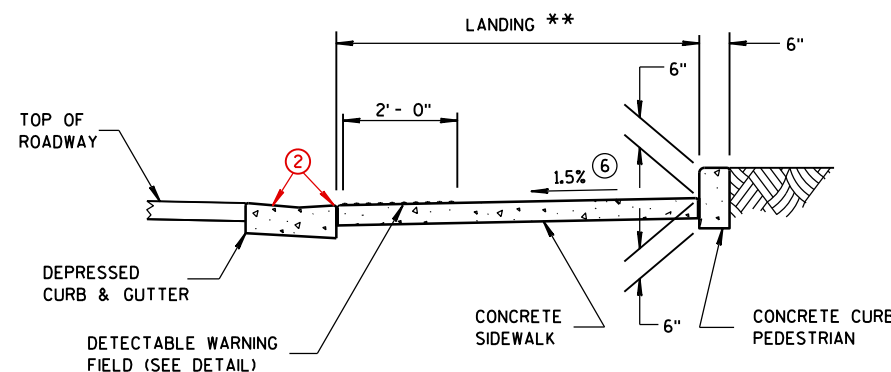
\*\* WIDTH SHOWN ELSEWHERE  
IN THE PLANS



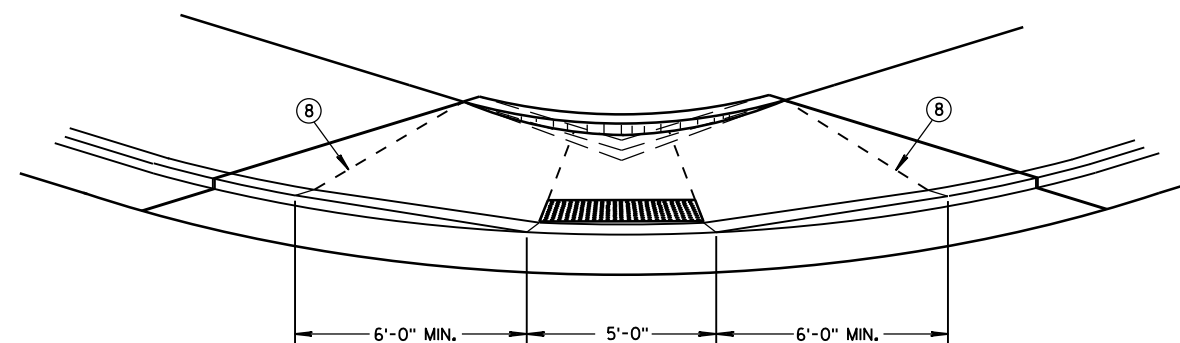
**SECTION B-B**



**PLAN VIEW  
TYPE 1-A RAMP**  
(NO TERRACE)



**SECTION C-C**



**VIEW D-D**

## GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

- 1 THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.
- 2 GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.
- 3 ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- 4  $\pm 0.5\%$  CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- 5 PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA. (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.
- 6 PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).
- 8 PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

## LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

**CURB RAMPS  
TYPES 1 AND 1-A**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

*Curb Ramps Types 1 and 1-A***References:**[FDM 11-25-30](#)[FDM 11-20-1](#)**Bid items associated with this drawing:**

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
601.0600	Concrete Curb Pedestrian .....	LF
602.0505	Curb Ramp Detectable Warning Field Yellow .....	SF
602.0510	Curb Ramp Detectable Warning Field White .....	SF
602.0515	Curb Ramp Detectable Warning Field Natural Patina .....	SF
602.0405	Concrete Sidewalk 4" .....	SF
602.0410	Concrete Sidewalk 5" .....	SF
602.0415	Concrete Sidewalk 6" .....	SF
602.0420	Concrete Sidewalk 7" .....	SF
646.0113 - 0119	Pavement Marking (material) 6-Inch .....	LF
647.0763 - 0769	Pavement Marking Crosswalk (material) 6-Inch .....	LF
647.0773 - 0779	Pavement Marking Crosswalk (material) 12-Inch .....	LF
647.0783 - 0789	Pavement Marking Crosswalk (material) 18-Inch .....	LF
647.0793 - 0799	Pavement Marking Crosswalk (material) 24-Inch .....	LF

**Standardized Special Provisions associated with this drawing:**

NONE

**Other SDDs associated with this drawing:**

SDD 8D5	Curb Ramps sheet "b", "c", "d" and "e" and
SDD 15C33	<b>Stop Line and Crosswalk Pavement Marking</b> is required when this drawing is called for in the plans.

**Design Notes:**

The Type 3 should be used only when there may be utilities or other fixed objects in the way of the curb ramp installation and cannot be relocated.

These SDDs may not satisfy all field conditions. It may be necessary to develop special details showing elevations or other layout considerations.

The Product Acceptable List (PAL) has only cast iron products for the Detectable Warning Field (DWF). The typical size of DWF panel in cast iron is 2 ft x 2 ft. Other cast iron panel sizes available include 2 ft x 1 ft, 2 ft x 1.5 ft, 2 ft x 2.5 ft, and 2 ft x 3 ft. The site-specific application will always be wider than 2 feet, thus multiple DWF panels are required for each installation. Maintain a maximum 5-foot distance between back of curb ramp and near edge of DWF panel(s). If this distance exceeds 5 feet, **stagger an additional warning field panel to reduce this distance. Provide adequate row overlap to avoid sidestep of dome detection. Align domes in direction of pedestrian travel.**

The Detectable Warning Field shall be installed in plastic concrete. The area under the Detectable Warning Field is paid as concrete sidewalk. Do not install the Detectable Warning Field in or on asphaltic pavement.

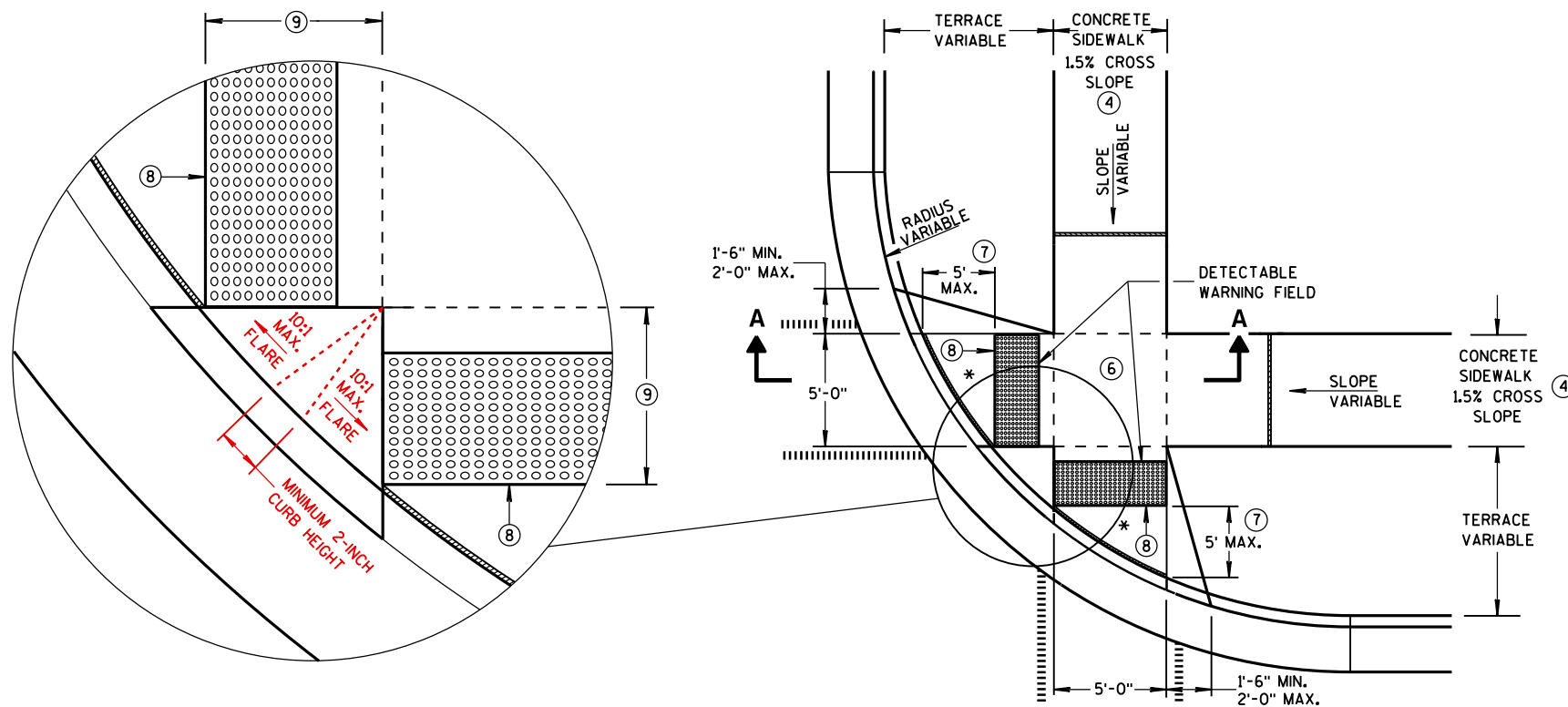
Do not install drainage grates in the path of curb ramp or sidewalk users. Slope the gutter pan so the curb ramp area will drain away from the pedestrian crossing.

Shared use paths are typically 10 ft wide, with some 8ft and some 12 ft. The Detectable Warning Field shall be placed at the edge of the paved portion of the path width. Do not provide space between multiple panels. Using the typical panel sizes mentioned above, for example, a 10-ft wide path would need five - 2' x 2' panels to cover the full width. **Refer to [FDM 11-46-10.2](#) for Detectable Warning Field application at wide directional curb ramps with a larger intersection radius and/or narrow terrace.**

The yellow border pavement marking is not required with the use of the Detectable Warning Field. See SDD 8D5-b for Curb Ramp pay items used for restriping of curb ramp markings.

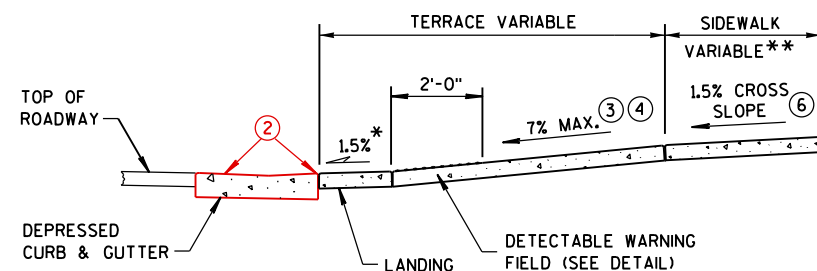
**Contact Person:**

Paul Vraney (608) 266-8486



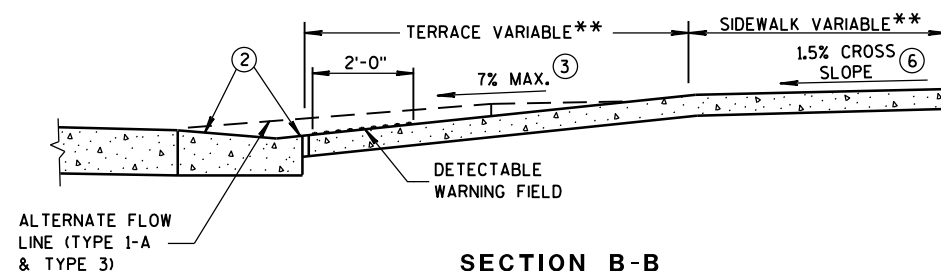
PLAN VIEW  
TYPE 2 RAMP  
(ON LINE WITH SIDEWALK)

\* MAXIMUM 2.0% SLOPE  
IN ALL DIRECTIONS IN  
FRONT OF GRADE BREAK



SECTION A-A

\*\* WIDTH SHOWN ELSEWHERE  
IN THE PLANS



SECTION B-B

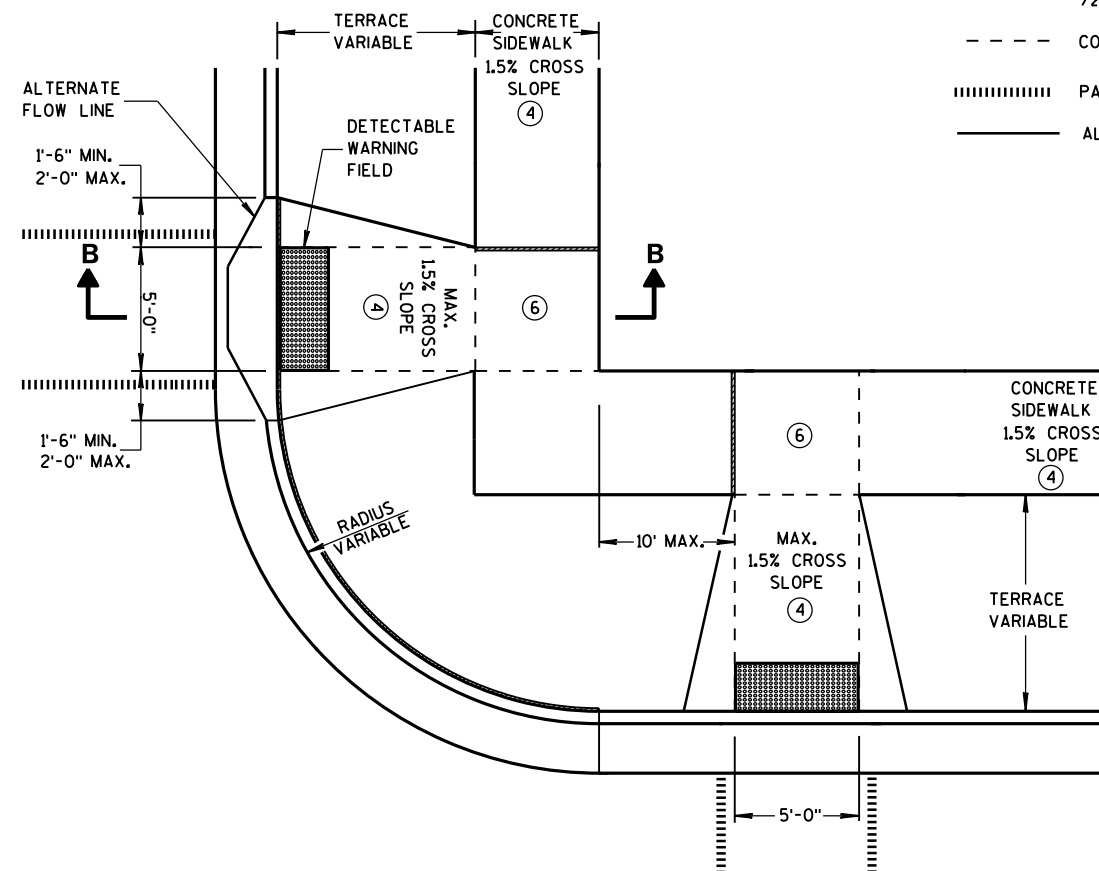
## GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

- ② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.
- ③ ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- ④ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- ⑥ PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).
- ⑦ WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.
- ⑧ PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- ⑨ WHEN THIS DISTANCE IS LESS THAN 6'-0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

## LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



PLAN VIEW  
TYPE 3 RAMP  
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS  
TYPES 2 AND 3

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

*Curb Ramps Types 2 and 3***References:**[FDM 11-25-30](#)[FDM 11-20-1](#)**Bid items associated with this drawing:**

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
601.0600	Concrete Curb Pedestrian .....	LF
See Sheet "a".		

**Standardized Special Provisions associated with this drawing:**

See Sheet "a".

**Other SDDs associated with this drawing:**

SDD 8D5 Curb Ramps sheet "a", "c", "d", and "e" are required.

SDD 15C33 Stop Line and Crosswalk Pavement Marking is required.

**Design Notes:**

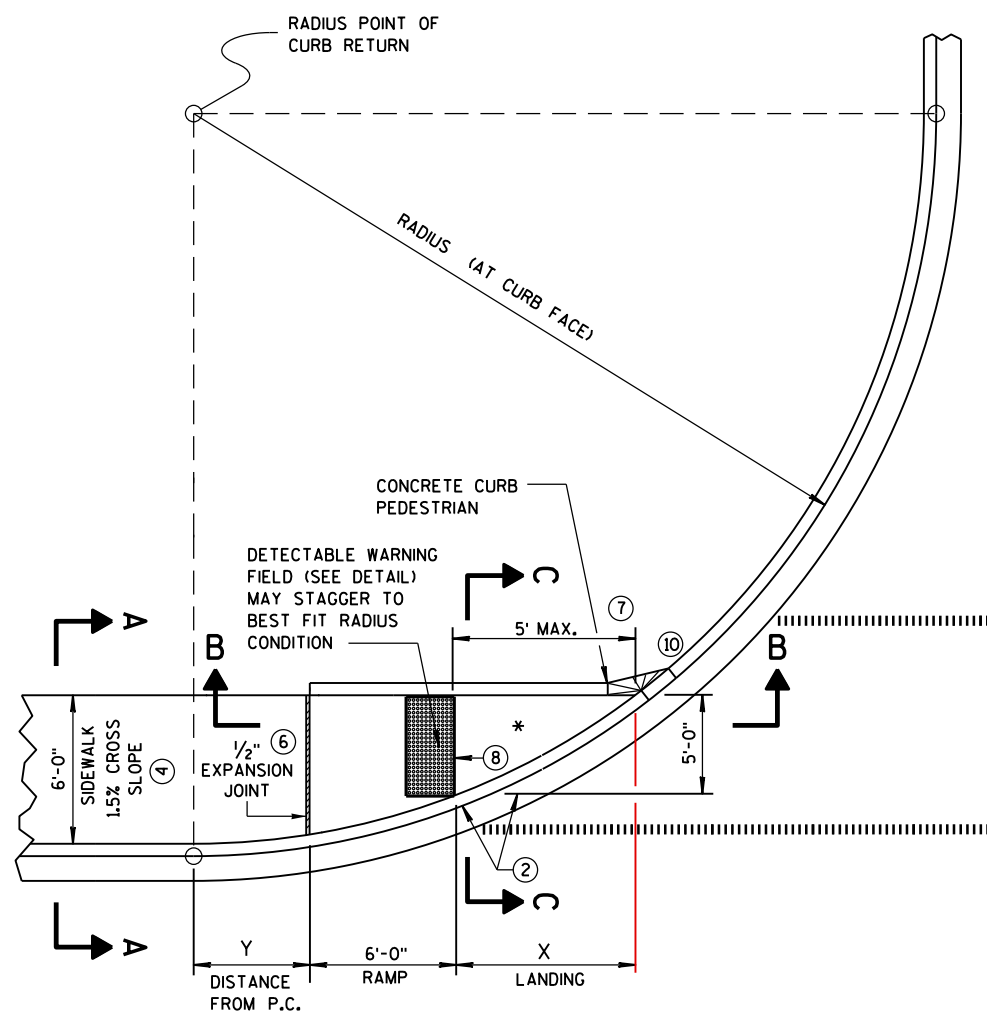
See Sheet "a".

Curb Ramp pay items used for restriping of curb ramp markings are as follows (do not use these pavement markings when using Curb Ramp Detectable Warning Fields):

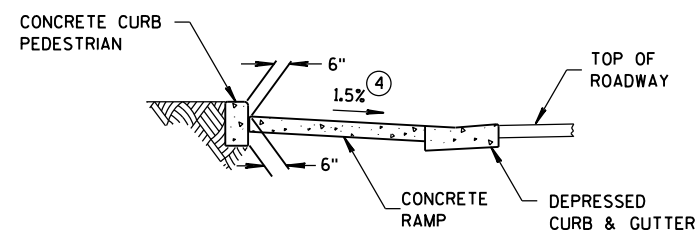
- |    |          |  |
|----|----------|--|
| 1. | 647.0503 | Pavement Marking Curb Ramp Paint             |
| 2. | 647.0506 | Pavement Marking Curb Ramp Epoxy             |
| 3. | 647.0509 | Pavement Marking Curb Ramp Preformed Plastic |

**Contact Person:**

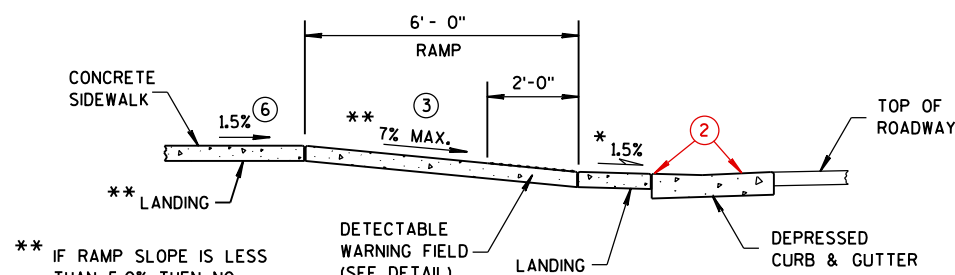
Paul Vraney (608) 266-8486



**CURB RAMP TYPE 4A**  
**PLAN VIEW**



**SECTION C-C FOR TYPE 4A**

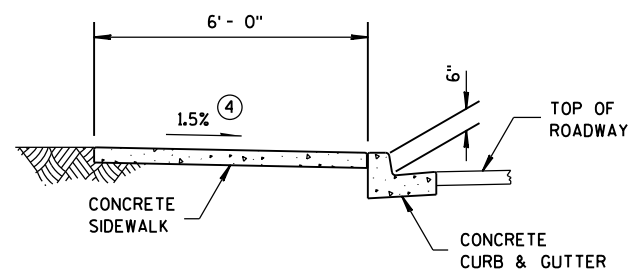


\*\* IF RAMP SLOPE IS LESS  
THAN 5.0%, THEN NO  
ADJACENT UPHILL LANDING  
IS REQUIRED

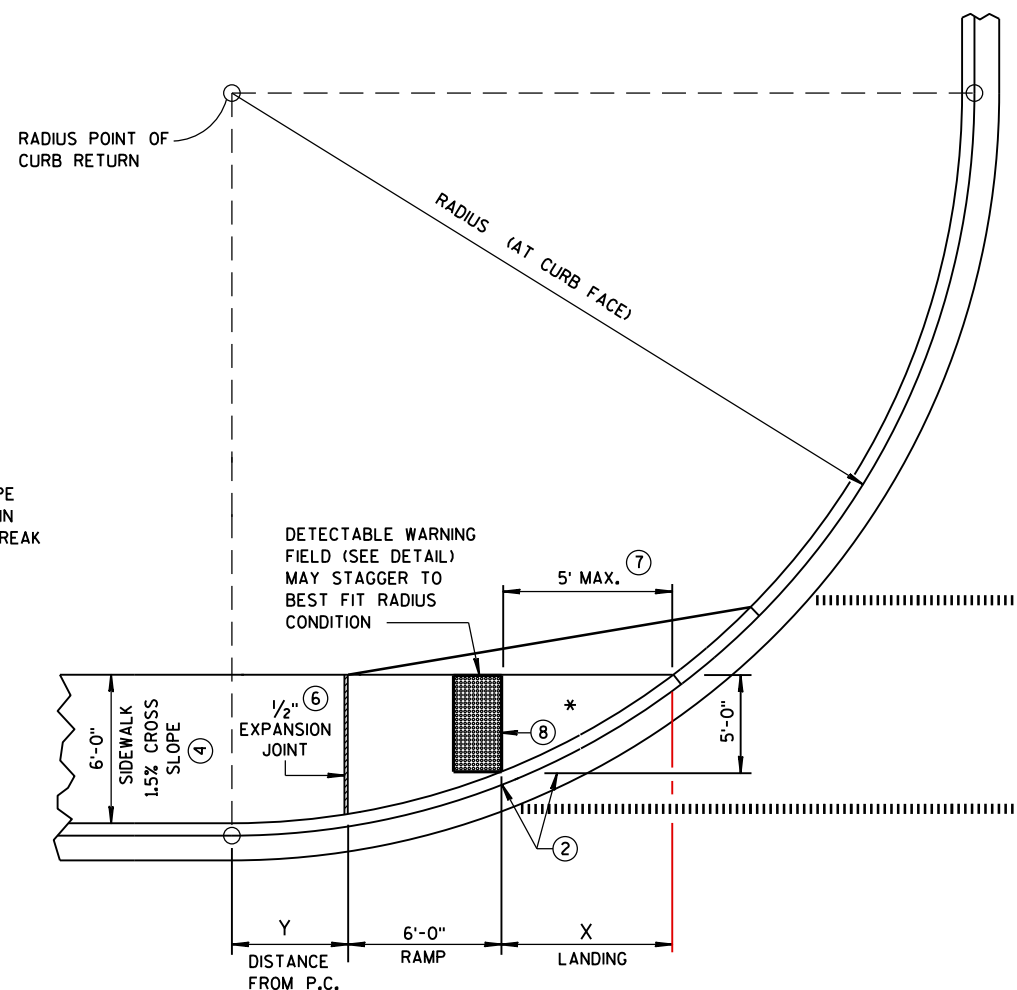
**SECTION B-B FOR TYPE 4A**

<b>RADIUS (AT CURB FACE)</b>	<b>X</b>	<b>Y</b>
<b>20 FEET</b>	<b>7'-11"</b>	<b>0'-2"</b>
<b>30 FEET</b>	<b>10'-2¾"</b>	<b>1'-7½"</b>
<b>40 FEET</b>	<b>12'-1¼"</b>	<b>2'-10"</b>
<b>50 FEET</b>	<b>13'-8¾"</b>	<b>3'-10¾"</b>
<b>60 FEET</b>	<b>15'-2"</b>	<b>4'-10¼"</b>

### INTERMEDIATE RADII CAN BE INTERPOLATED



**SECTION A-A FOR TYPE 4A**



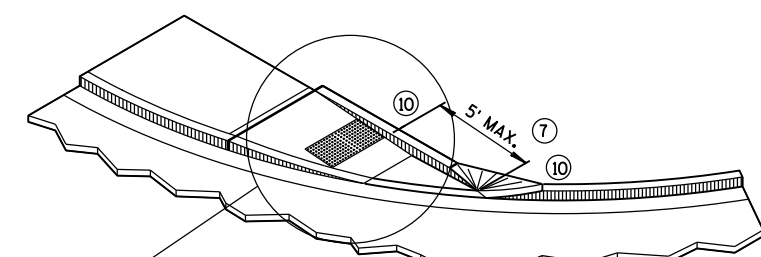
**CURB RAMP TYPE 4A1**  
**PLAN VIEW**

## GENERAL NOTES

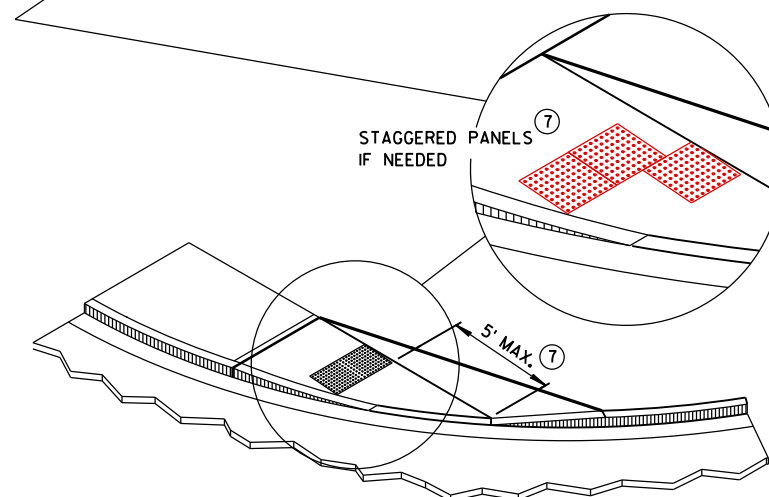
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

- ② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.
- ③ ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- ④ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- ⑥ PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).
- ⑦ WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.
- ⑧ PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- ⑩ INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4A



**ISOMETRIC VIEW FOR TYPE 4A1**

### LEGEND

- |         |                                    |
|---------|------------------------------------|
| =====   | 1/2" EXPANSION JOINT-SIDEWALK      |
| - - - - | CONTRACTION JOINT FIELD LOCATED    |
|         | PAVEMENT MARKING CROSSWALK (WHITE) |

## CURB RAMPS TYPES 4A AND 4A1

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

*Curb Ramps Type 4A***References:**[FDM 11-25-30](#)[FDM 11-20-1](#)**Bid items associated with this drawing:**

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
601.0600	Concrete Curb Pedestrian.....	LF
See Sheet "a".		
620.0300	Concrete Median sloped Nose.....	SF

**Standardized Special Provisions associated with this drawing:**

See Sheet 'a'.

**Other SDDs associated with this drawing:**

SDD 8D5	Curb Ramps sheet "a" "b" "d" "e" are required.
SDD 11B2	Concrete Median Nose is required
<b>SDD 15C33</b>	<b>Stop Line and Crosswalk Pavement Marking is required.</b>

**Design Notes:**

See Sheet 'a'.

**Contact Person:**

Paul Vraney (608) 266-8486





## LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

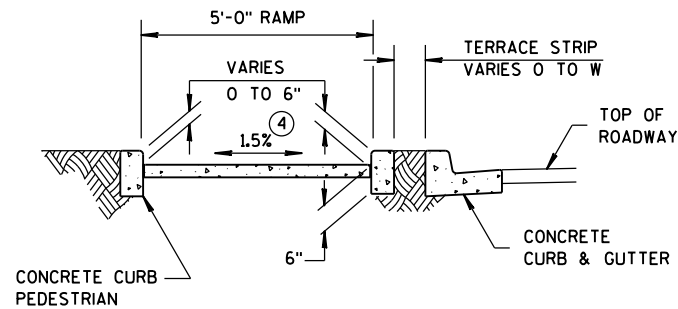
RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-9 3/4"	3'-6 1/2"	4'-11 1/2"	5'-1 3/4"	4'-3 1/4"	6'-5 1/2"	3'-8 3/4"	7'-6 3/4"	3'-3"	8'-6 1/4"
30 FEET	7'-9 1/4"	5'-10 1/2"	6'-9 1/2"	7'-11 1/4"	6'-0 1/4"	9'-8"	5'-5"	11'-1 3/4"	4'-10 3/4"	12'-5 3/4"
40 FEET	9'-4"	7'-10"	8'-2 3/4"	10'-3"	7'-4 3/4"	12'-3 3/4"	6'-8 1/2"	14'-1 1/4"	6'-1 3/4"	15'-8 1/2"
50 FEET	10'-8"	9'-6 1/2"	9'-5 1/2"	12'-3 1/4"	8'-6 1/2"	14'-7 1/2"	7'-9 3/4"	16'-8 1/4"	7'-2 1/2"	18'-6 1/4"
60 FEET	11'-10 1/4"	11'-0 3/4"	10'-6 1/2"	14'-1 1/4"	9'-6 1/2"	16'-8 1/2"	8'-9 1/4"	18'-11 3/4"	8'-1 1/2"	21'-0 1/2"

## GENERAL NOTES

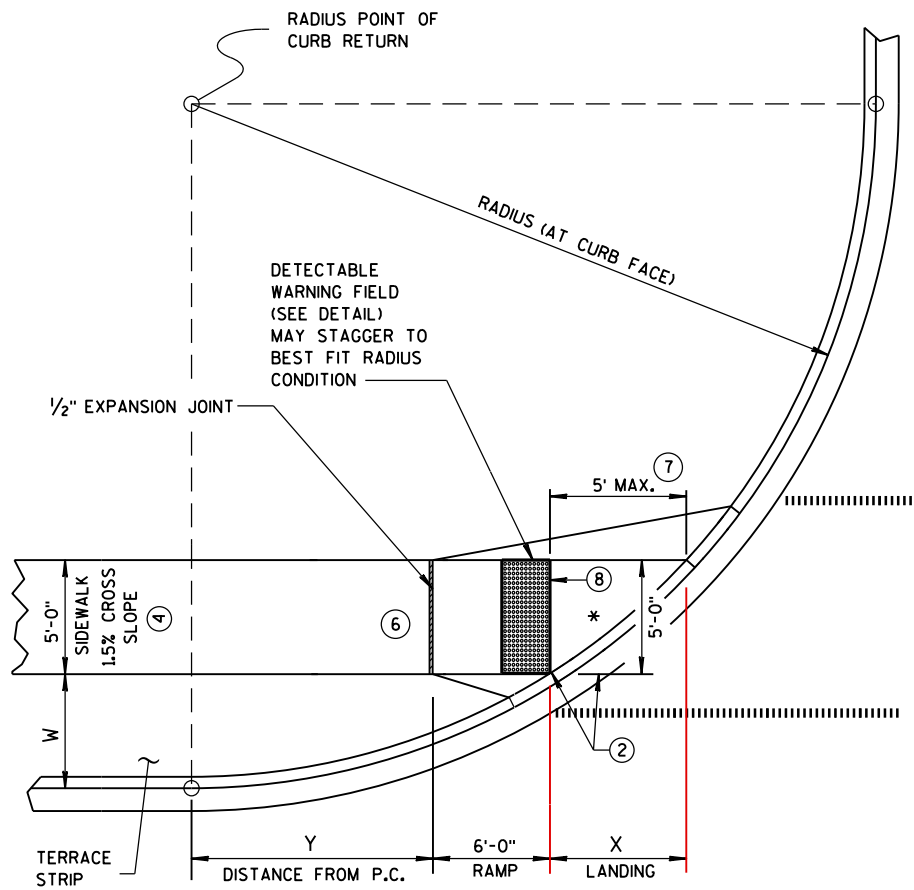
INTERMEDIATE RADII CAN BE INTERPOLATED  
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.  
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

- GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.
- ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).
- WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.
- PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

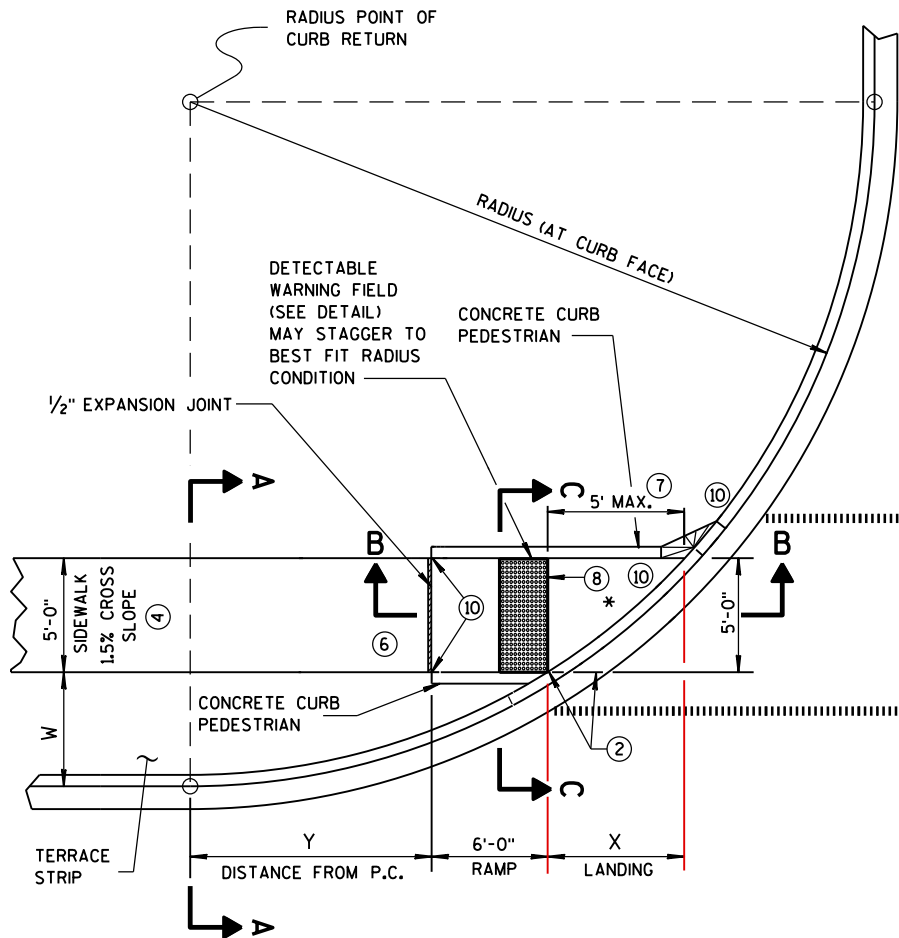
## SECTION C-C FOR TYPE 4B



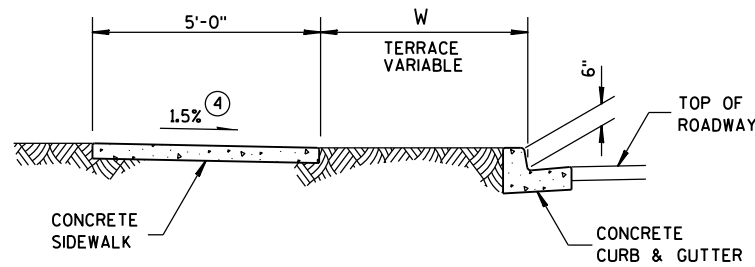
## CURB RAMP TYPE 4B1 PLAN VIEW



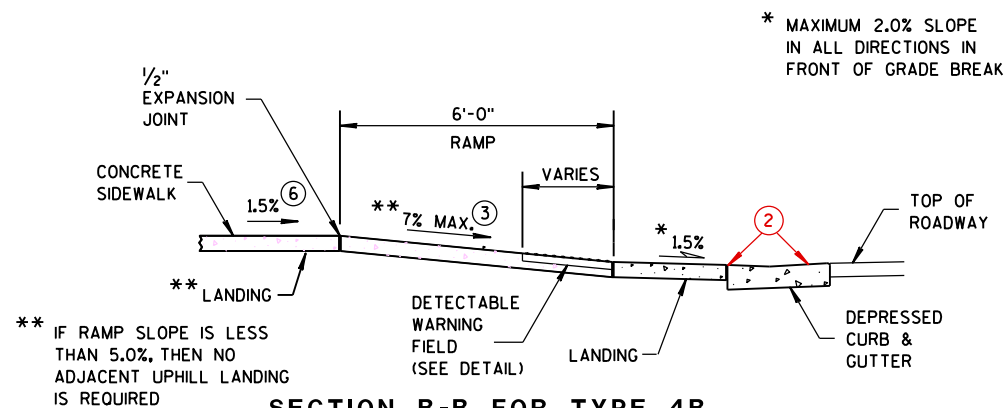
## CURB RAMP TYPE 4B PLAN VIEW



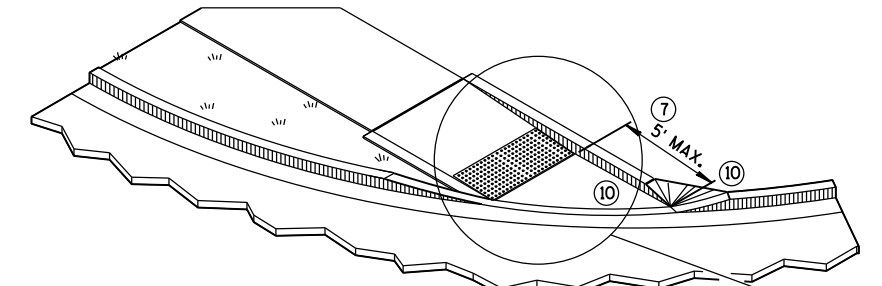
## SECTION A-A FOR TYPE 4B



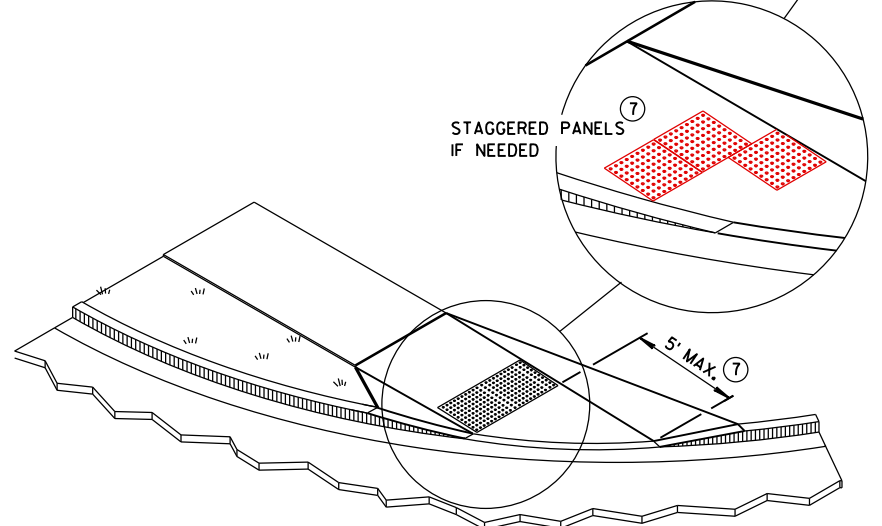
## SECTION B-B FOR TYPE 4B



## ISOMETRIC VIEW FOR TYPE 4B



## ISOMETRIC VIEW FOR TYPE 4B1



## CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

*Curb Ramps Type 4B***References:**[FDM 11-25-30](#)[FDM 11-20-1](#)**Bid items associated with this drawing:**

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
601.0600	Concrete Curb Pedestrian.....	LF
See Sheet "a".		
620.0300	Concrete Median sloped Nose.....	SF

**Standardized Special Provisions associated with this drawing:**

See Sheet a.

**Other SDDs associated with this drawing:**

SDD 8D5	Curb Ramps sheet "a", "b", "c" and "e" are required.
SDD 11B2	Concrete Median Nose is required.
<b>SDD 15C33</b>	<b>Stop Line and Crosswalk Pavement Marking is required.</b>

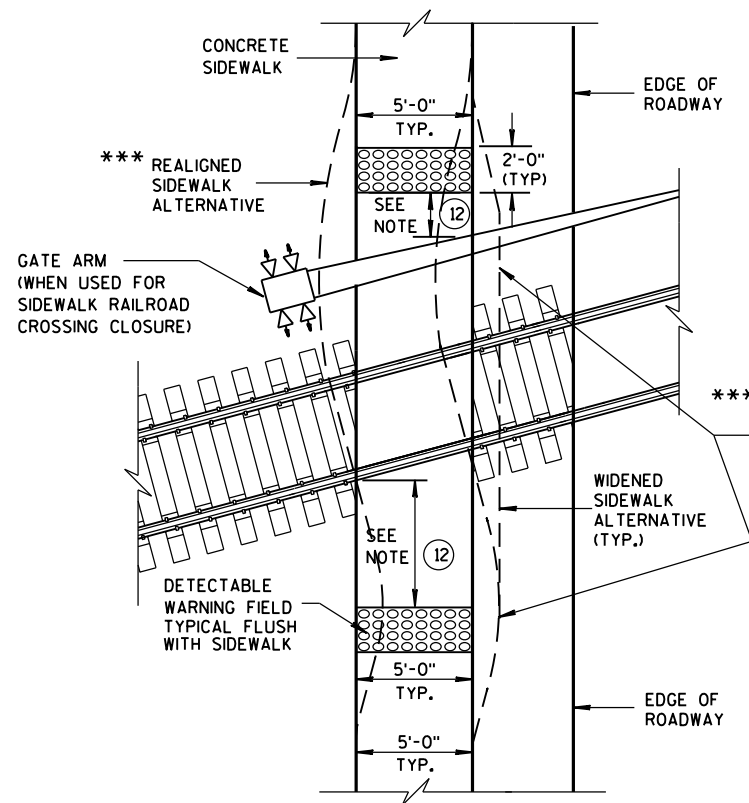
**Design Notes:**

See Sheet "a".

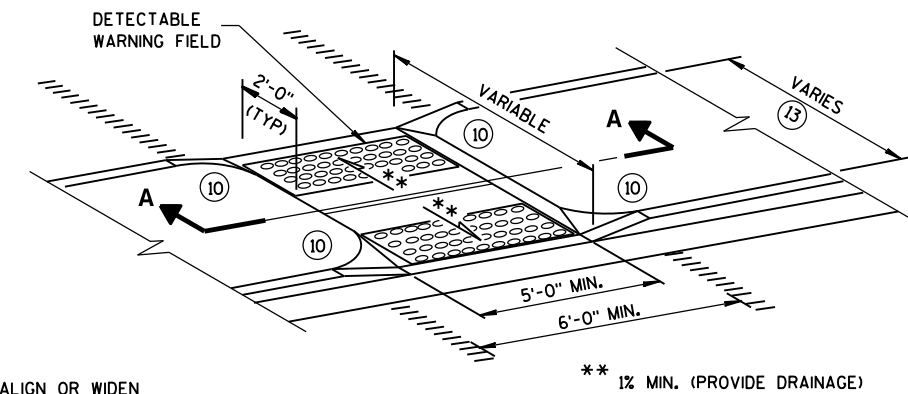
**Contact Person:**

Paul Vraney (608) 266-8486





**TYPE 8**  
**DETECTABLE WARNINGS**  
**AT RAILROAD CROSSING**

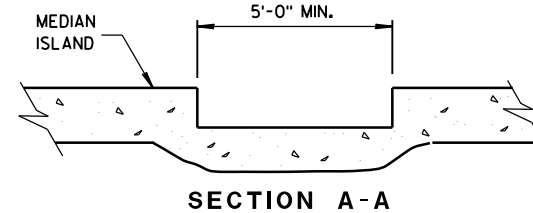


**MEDIAN ISLAND**  
**NON-ELEVATED CROSSING**  
**TYPE 5**

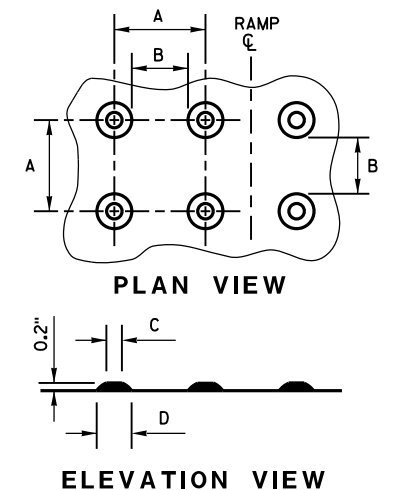
\*\*\* DETAILS TO BE DETERMINED BY DESIGNER

## GENERAL NOTES

- SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.
- DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.
- ② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.
- ③ ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- ④ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- ⑥ PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).
- ⑩ INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.
- ⑪ SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.
- ⑫ THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ± 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.
- ⑬ DO NOT INSTALL DETECTABLE WARNING FIELDS IF MEDIAN WIDTH BETWEEN BACK OF CURBS IS LESS THAN 6 FEET.



**SECTION A-A**

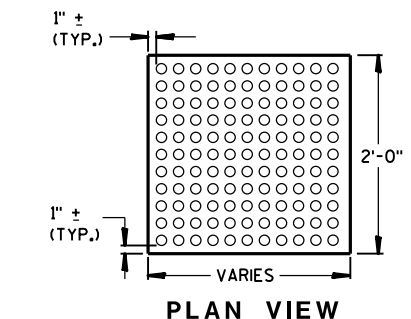


	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

\* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

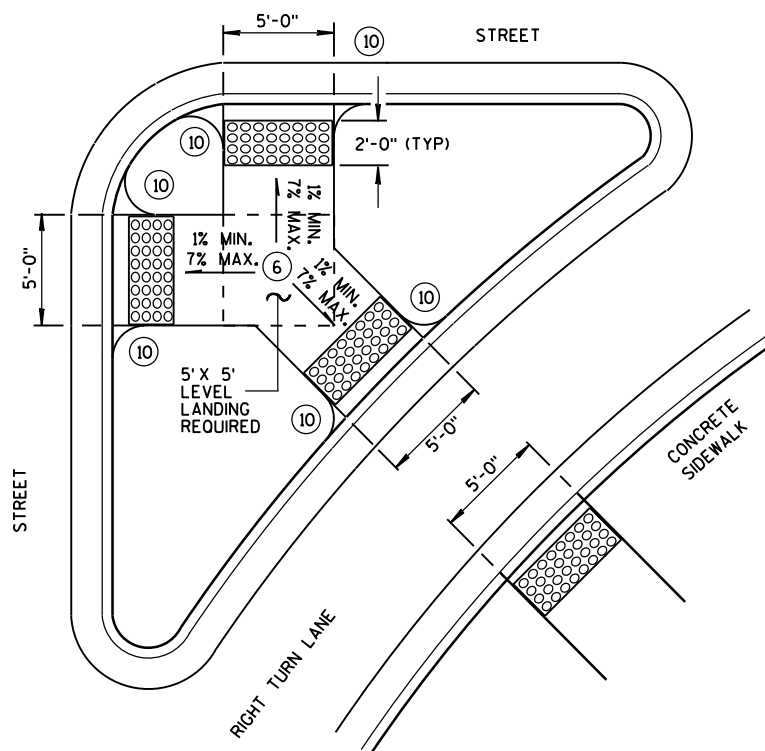
**ELEVATION VIEW**

**TRUNCATED DOMES**  
**DETECTABLE WARNING PATTERN DETAIL**

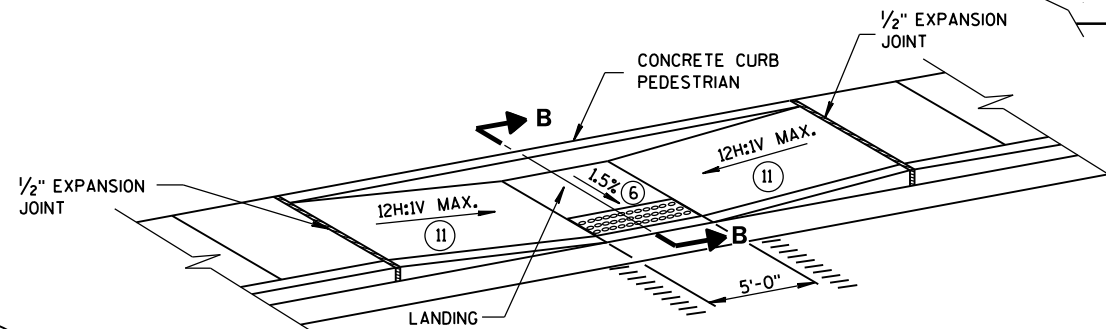


**PLAN VIEW**  
**DETECTABLE WARNING**  
**FIELD (TYPICAL)**

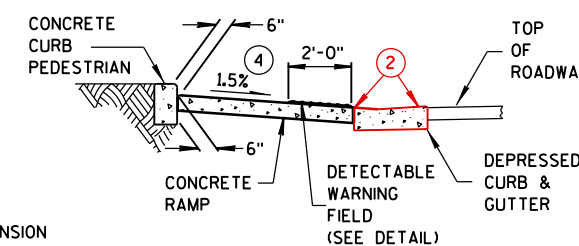
REFER TO GENERAL NOTES ② AND ③ FOR ALL ISLAND CURB RAMPS



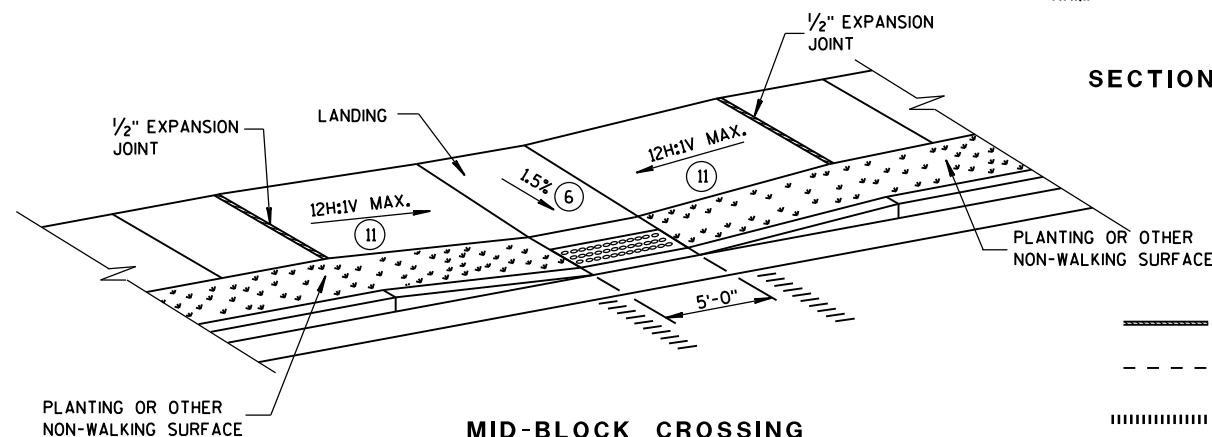
**TYPE 6**  
**DETECTABLE WARNING AT ISLANDS**



**MID-BLOCK CROSSING**  
**TYPE 7A**



**SECTION B-B**



**MID-BLOCK CROSSING**  
**TYPE 7B**

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

## LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- - - CONTRACTION JOINT FIELD LOCATED
- ||||| PAVEMENT MARKING CROSSWALK (WHITE)

**CURB RAMPS**  
**TYPES 5, 6, 7A, 7B & 8**

**STATE OF WISCONSIN**  
**DEPARTMENT OF TRANSPORTATION**

**APPROVED**  
June, 2016  
DATE

/s/ Jerry H. Zogg  
ROADWAY STANDARDS DEVELOPMENT  
ENGINEER

FHWA

*Curb Ramps Type 5, 6, 7A, 7B & 8***References:**[FDM 11-25-30](#)[FDM 11-20-1](#)**Bid items associated with this drawing:**

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
601.0600	Concrete Curb Pedestrian .....	LF
See Sheet 'a'.		
620.0300	Concrete Median Sloped Nose .....	LF

**Standardized Special Provisions associated with this drawing:**

See Sheet 'a'.

**Other SDDs associated with this drawing:**

SDD 8D5 Curb Ramps sheet "a", "b", "c" and "d" are required.

SDD 11B2 Concrete Median Nose is required.

**SDD 15C33 Stop Line and Crosswalk Pavement Marking is required.****Design Notes:**

See Sheet "a".

**Contact Person:**

Paul Vraney (608) 266-8486